CONFIDENTIAL

MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1942

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

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JANUARY 1942

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Cent.					
	*8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	57.1	53.8	53.3	54.7	14.9	9.6	13.9	12.4	13.1	13.1
2	6.2	7.2	8.2	7.2	10.8	5.2	9.9	9.8	10.3	10.0
3	60.1	61.1	64.1	61.8	6.0	0.0	5.2	3.6	5.5	4.8
4	7.0	6.9	7.7	7.2	4.8	1.3	2.2	3.8	2.8	2.9
5	9.7	70.1	71.7	70.5	8.4	2.7	2.7	8.2	4.9	5.3
6	73.3	72.1	71.5	72.3	10.8	5.8	6.0	10.7	6.9	7.9
7	69.0	66.6	66.5	67.4	13.8	8.0	8.2	13.3	10.6	10.7
8	7.5	6.5	6.7	6.9	16.0	10.0	10.1	15.7	11.7	12.5
9	4.5	1.7	1.8	2.7	17.2	11.8	12.0	16.7	14.1	14.3
10	59.1	58.1	59.0	58.7	20.2	11.9	15.9	19.1	16.5	17.2
11	61.0	62.2	63.3	62.2	15.5	11.8	11.9	14.3	13.0	13.1
12	3.1	1.7	2.5	2.4	16.5	11.6	12.7	15.0	13.6	13.8
13	1.9	0.9	2.5	1.8	16.4	11.5	11.6	16.1	12.8	13.5
14	3.0	3.0	3.6	3.2	15.5	11.9	12.3	15.2	12.7	13.4
15	6.1	5.7	6.9	6.2	16.7	10.8	12.1	16.3	13.3	13.9
16	62.9	57.9	52.5	57.8	23.1	11.0	11.0	16.5	16.7	14.7
17	51.8	2.0	7.4	3.7	14.1	12.2	13.1	12.3	12.7	12.7
18	8.7	8.2	60.3	9.1	16.5	12.8	13.2	14.8	12.9	13.6
19	60.3	9.3	0.0	9.9	16.9	11.5	13.3	16.2	14.4	14.6
20	59.9	8.8	59.3	9.3	14.8	10.7	11.7	13.7	11.4	12.3
21	59.2	59.5	62.0	60.2	13.3	9.7	10.8	12.7	10.9	11.5
22	63.6	61.7	2.6	2.6	15.5	12.5	13.6	13.3	13.8	13.6
23	3.1	3.9	5.0	4.0	16.7	12.7	12.9	16.0	12.7	13.9
24	3.5	0.2	58.1	0.6	15.8	10.6	12.8	15.3	14.9	14.3
25	1.7	2.4	63.9	2.7	12.8	8.3	10.6	12.1	11.5	11.4
26	65.0	63.8	63.2	64.0	13.9	8.8	8.8	13.6	12.2	11.5
27	57.8	55.9	57.7	57.1	20.2	11.7	11.9	18.6	11.7	14.1
28	6.9	4.9	7.5	6.4	18.2	12.5	14.4	17.6	14.1	15.4
29	61.1	61.9	63.6	62.2	14.5	10.8	12.8	14.4	12.9	13.4
30	2.3	1.5	2.9	2.2	16.5	11.1	11.2	16.2	13.7	13.7
31	2.5	0.9	1.2	1.5	18.1	12.5	12.7	17.3	13.8	14.6
	62.22	61.30	62.14	61.88	14.98	9.52	11.01	13.89	12.00	12.31

Barometer, range for month 773.3 mm.—751.8 mm.

„ 62-yr. average for month 763.36 mm.

Thermometer, range for month 23.1° C.—0.0° C.

„ 62-yr. average for month 13.72° C.

Rain, total for month 244.8 mm.

„ , 62-yr. average for month 183.90 mm.

„ , total, from Sept. 1st 612.14 mm.

62-yr. average, total from Sept. 1st 554.23 mm.

*Summer time

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	8.3	9.4	9.3	9.0	70	88	83	80	0.0	**	24.89
2	6.2	6.3	9.2	7.2	68	69	72	70	1.0		6.10
3	4.2	5.2	4.0	4.5	63	88	60	70	0.4		9.40
4	5.4	5.6	5.1	5.4	100	94	91	95	0.4		16.51
5	4.4	5.3	4.6	4.8	80	65	70	72	4.6		9.65
6	5.0	6.5	5.6	5.7	73	68	74	72	8.0		
7	5.8	7.0	5.8	6.2	72	60	62	65	4.3		
8	5.5	8.0	7.0	6.8	60	60	69	63	6.3		
9	7.4	8.9	8.3	8.2	71	63	70	68	5.0		
10	10.3	12.2	11.6	11.4	78	74	83	78	5.4		
11	9.7	9.9	9.7	9.8	93	81	87	87	4.6		15.75
12	8.4	10.7	9.6	9.6	76	85	82	81	1.2		1.01
13	7.6	9.4	8.7	8.6	75	69	79	74	7.3		
14	8.1	9.5	7.8	8.5	76	74	71	74	0.5		
15	7.0	10.0	9.9	9.0	67	73	87	76	6.2		
16	7.3	9.5	8.9	8.6	75	68	63	69	7.7		
17	9.4	10.5	10.2	10.0	84	99	94	92	0.0		33.02
18	10.3	10.6	10.3	10.4	91	84	90	88	1.0		16.76
19	8.3	8.4	7.5	8.1	72	61	61	65	2.5	835.0	3.56
20	8.9	9.3	8.6	8.9	87	79	86	84	1.6	957.0	17.53
21	8.3	9.6	9.5	9.1	87	89	95	90	0.0	1050.0	7.62
22	9.5	9.5	9.2	9.4	83	83	78	81	2.7	1104.0	30.22
23	10.6	9.8	10.0	10.1	96	73	92	87	1.5	538.0	14.48
24	8.9	9.9	8.9	9.2	82	77	70	76	2.0	1296.0	12.95
25	6.4	7.4	6.7	6.8	68	70	64	67	1.6	360.0	7.62
26	6.9	8.0	7.8	7.6	83	69	74	75	3.2	353.6	0.25
27	10.2	10.3	8.2	9.6	97	65	79	80	6.0	508.8	5.59
28	8.1	8.8	8.8	8.6	66	59	73	66	3.2	1386.0	2.29
29	7.4	7.8	7.6	7.6	68	64	68	67	2.6	334.5	9.65
30	7.1	7.9	8.3	7.8	72	58	70	67	6.1	770.0	
31	7.5	8.6	7.3	7.8	70	58	62	63	7.4	624.0	
	7.89	8.70	8.19	8.20	77.5	73.1	76.1	75.5	3.38	512.13	7.89

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.3 m.
Time of readings minus 3 hours equals G.C.T.
62-year averages are for period, 1875-1936

**Wind gauge torn off by gale on night of 1st. Repaired on 18th.
Mean includes estimates for missing observations.

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes*
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	10ni	10ni	10.0	2s	3sw	5sw	rough	G at night
2	9ni	9ni	10ni	9.3	5w	5w	5w	„	
3	10ni	10ni	7ni	9.0	5nw	3w	3w	„	Snow 6 cms.
4	10ni	10ni	10ni	10.0	1w	0w	1sw	„	„ 2 cms
5	6ni	9cu	3cu	6.0	1se	0ne	1ne	mod.	
6	1cu	3cu	1cu	1.7	1e	1nw	1ne	slight	
7	10ci	7cu	1cu	6.0	1e	0se	0s	„	H 8:30 a.m.
8	0	0	0	0.0	1se	0s	0sw	„	„ all day
9	2ci	10ci	10ci	7.3	0s	0sw	0w	„	„ „ „
10	0	0	9cu	3.0	0se	1sw	2w	„	
11	10ni	8ni	5ni	7.7	1se	0s	0w	rough	
12	10ni	10ni	5ni	8.3	0s	0s	0sw	„	
13	0	10ci	4cu	4.7	0s	1s	0s	mod.	H all day
14	10cu	10cu	2cu	7.3	0se	0s	0s	slight	„ „ „
15	1cu	4cu	0	1.7	1s	0s	0sw	light	
16	1ci	0	10cu	3.7	1ne	0s	0s	slight	mist a.m.
17	10ni	10ni	7ni	9.0	2nw	2sw	0w	rough	2 T a.m.
18	9cu	10ni	10ni	9.7	1sw	2sw	0sw	„	
19	8cu	10cu	2cu	6.7	2sw	3sw	0sw	mod.	
20	10ni	10ni	10ni	10.0	1sw	2sw	2sw	rough	2 T at night
21	10ni	10ni	10ni	10.0	2sw	3sw	3sw	rough	2 T p.m.
22	9cu	8ni	10ni	9.0	3s	3sw	3sw	„	„ at night
23	10ni	9cu	10ni	9.7	2sw	1sw	2sw	„	
24	10cu	9cu	10cu	9.7	1sw	2sw	3sw	mod.	T & G at night
25	10cu	10ni	10cu	10.0	2sw	0sw	2sw	rough	
26	5cu	0	10cu	5.0	1se	0sw	1sw	slight	H p.m.
27	10ni	2cu	0	4.0	1sw	3sw	0w	„	
28	10cu	8cu	9cu	9.0	1sw	3sw	2w	mod.	G and T at night
29	10ni	8cu	8cu	8.7	5w	1sw	1w	rough	
30	10cu	1ci	8cu	6.3	1sw	3sw	1sw	slight	
31	10cu	1ci	0	3.7	0s	2sw	0sw	„	
				6.93					

* Abreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	1	2	4	3	10	3	2	6	31
14:30	0	0	0	0	1	15	2	1	12	31
20:30	0	2	0	0	0	10	5	0	14	31
Totals	0	3	2	4	4	35	10	3	32	93

Number of days with rain 20, fog 0, thunderstorms 6, gale 3.

62 yr. av. days with rain during month 15.3 days